

2025 Wind power generation ratio



Overview

Wind power plants produced about 132 TWh in 2025 and were about 3. The share of onshore wind was about 106 TWh, and offshore wind generated about 26. The world's wind power sector recorded strong growth in the first half of 2025, with global installations rising by 64% compared to the same period of 2024. Wind power took first place as the strongest net electricity producer, followed by photovoltaics, which increased its production by 21 percent in 2025 and overtook. Bonn (WWEA) – 2025 marked a watershed moment for the global wind power sector. According to preliminary statistics released by the World Wind Energy Association (WWEA), the world added 169'014 Megawatts (MW) of new wind capacity – a 35% increase over 2024 – bringing total global installations to. Renewable energy statistics 2025 provides datasets on power-generation capacity for 2015-2024, actual power generation for 2015-2023 and renewable energy balances for over 150 countries and areas for 2022-2023. Data was obtained from various sources, including an IRENA questionnaire, official. Europe now has 291 GW of wind power capacity, with 254 GW onshore and 37 GW offshore. The EU is expected to build 22 GW of new wind farms annually from 2025 to 2030 which will take its cumulative installed capacity to 344 GW but has a target of 425 GW by. In 2025, net generation of wind and solar together accounted for 760,000 gigawatthours (GWh) of electricity, 88,000 GWh more than in 2024, according to data from our Electric Power Monthly.



Article Content

WWEA Half-year Report 2025: Global Wind Power Growth

By the end of 2025, global cumulative wind capacity is projected to exceed 1'320 GW, sufficient to generate around 12% of the world's electricity. Country Highlights

Renewable energy statistics 2025

Newsletter The International Renewable Energy Agency (IRENA) produces comprehensive, reliable datasets on renewable energy capacity and use worldwide. Renewable energy statistics 2025

Renewable Energy Innovations 2025: Breakthrough

Discover the latest renewable energy innovations revolutionizing solar, wind, storage, and grid technologies. Expert analysis of 25+ breakthrough

Electricity generation in Germany in 2025

Wind power plants produced about 132 TWh in 2025 and were about 3.2 % below the production level of 2024. The share of onshore wind was about 106 TWh, and offshore wind generated about 26.1 TWh.

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German Public Electricity Generation in 2025: Wind and

Wind power took first place as the strongest net electricity producer, followed by photovoltaics, which increased its production by 21 percent in 2025

Solar power generation drives electricity generation growth over the ...

We expect the combined share of generation from solar power and wind power to rise from about 18% in 2025 to about 21% in 2027. In our STEO forecast, utility-scale solar is the fastest

Wind and solar generated a record 17% of U.S. electricity in 2025

Over the past 20 years, electricity from wind power and utility-scale solar power has increased to 17% of generation in the United States compared to less than 1% in 2005.

World energy supply and consumption

Global energy consumption, measured in exajoules per year: Coal, oil, and natural gas remain the primary global energy sources even as renewables have begun

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Renewable energy statistics 2025

Renewable energy statistics 2025 provides datasets on power-generation capacity for 2015-2024, actual power generation for 2015-2023 and renewable energy balances for over 150 countries and areas for

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Renewable electricity - Renewables 2025 - Analysis

Renewable electricity Renewable electricity additions for 2025-2030 total 4 600 GW – equal to the combined installed power capacity of China, the European Union and Japan Globally, renewable

Executive summary - Renewables 2025 - Analysis

In more than 80% of countries worldwide, renewable power capacity is set to grow faster between 2025 and 2030 than it did over the previous five-year period. However, challenges including grid

GWEC's Global Wind Report 2025

The Global Wind Report 2025 provides a comprehensive overview of the wind industry's performance in 2024 and outlines the pathway to accelerated growth.

Global Statistics

In 2025, wind turbines generated enough power to cover more than 11% of worldwide demand, surpassing nuclear energy and closing in on other fossil sources. This milestone reflects not

Wind and solar generated a record 17% of U.S. electricity in 2025

In 2025, wind power generated 464,000 GWh of electricity, 3% more than in 2024. In 2025, utility-scale solar power generation totaled 296,000 GWh, 34% more than in 2024.

List of U.S. states by renewable electricity production

This is a list of U.S. states by total electricity generation, percent of generation that is renewable, total renewable generation, percent of total domestic renewable generation, and carbon intensity in

Renewable Power Generation Costs in 2024

Total installed costs for renewable power decreased by more than 10% for all technologies between 2023 and 2024, except for offshore wind, where they remained relatively stable, and bioenergy,

Latest wind energy data for Europe: Autumn 2025 – WindEurope

Europe installed 6.8 GW of new wind power capacity in the first half of 2025 (gross installations). Onshore wind made up 89% of the newly added capacity for a total of 6 GW.

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Global Market Outlook for Solar Power 2025-2029

Welcome to the Global Market Outlook for Solar Power 2025-2029 The year 2024 was a true landmark year for solar power. Global solar installations reached nearly 600 GW – an

Global Electricity Review 2026

About Ember's seventh annual Global Electricity Review provides the first comprehensive overview of changes in global and country-level electricity generation in 2025, based on reported

Levelized Costs of New Generation Resources in the Annual Energy ...

Introduction This paper presents average values of levelized costs for new generation resources as represented in the National Energy Modeling System (NEMS) for our Annual Energy Outlook 2025

Latest wind energy data for Europe: Autumn 2025 –

This autumn update outlines the latest data for wind energy in Europe and our expectations for the rest of the decade. Europe now has 291 GW of wind

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